

FIG.1

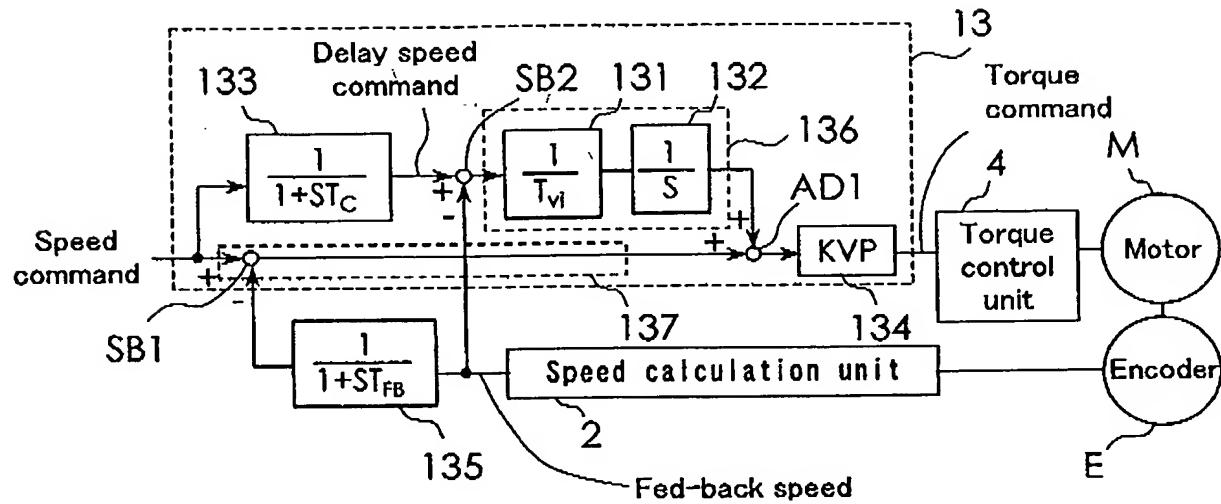
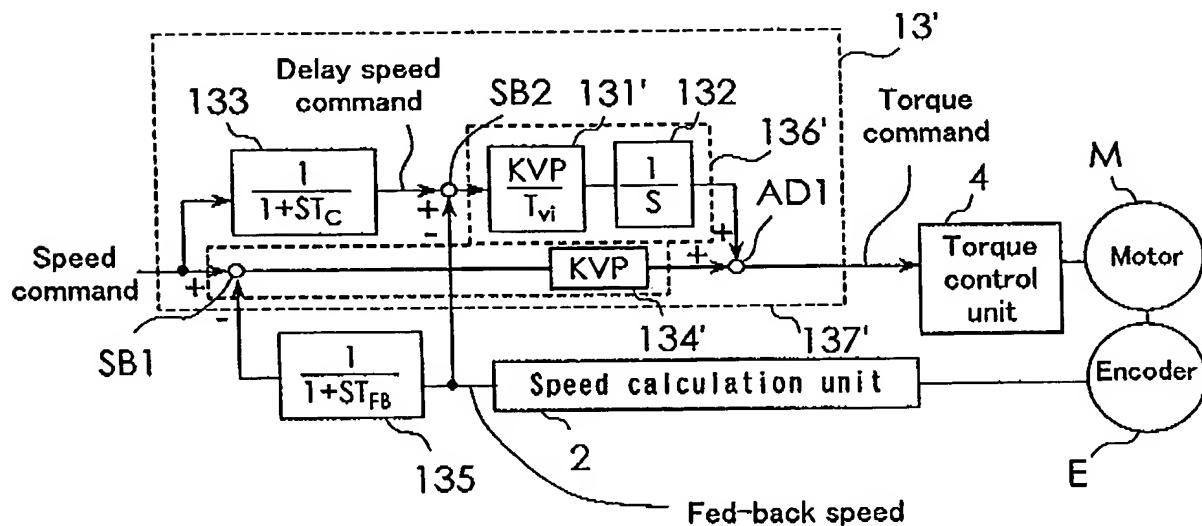
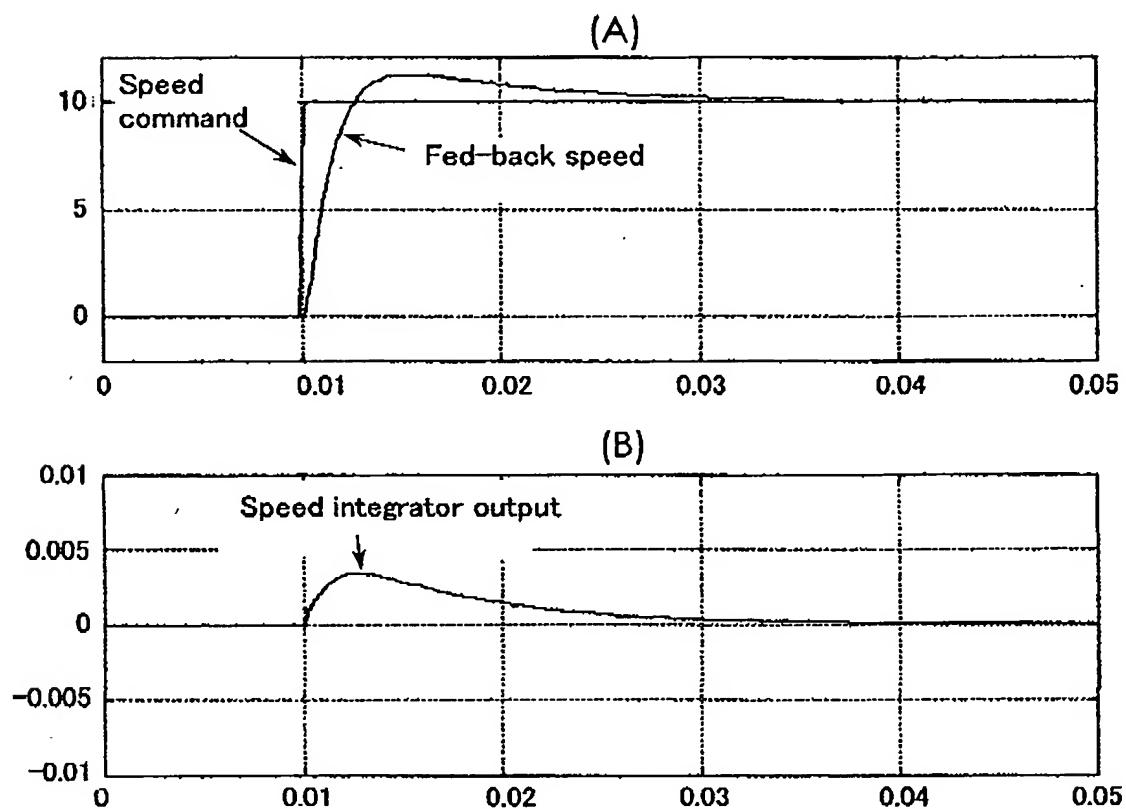


FIG.2



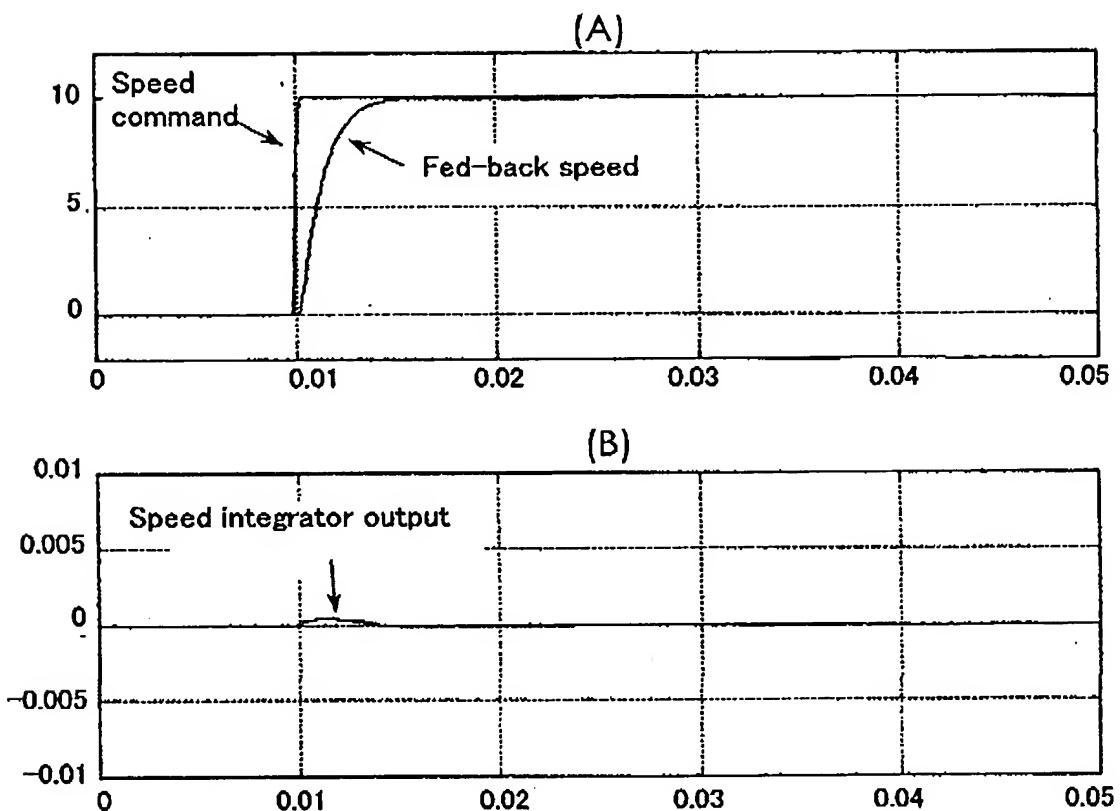
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FIG.3



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FIG.4



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FIG.5

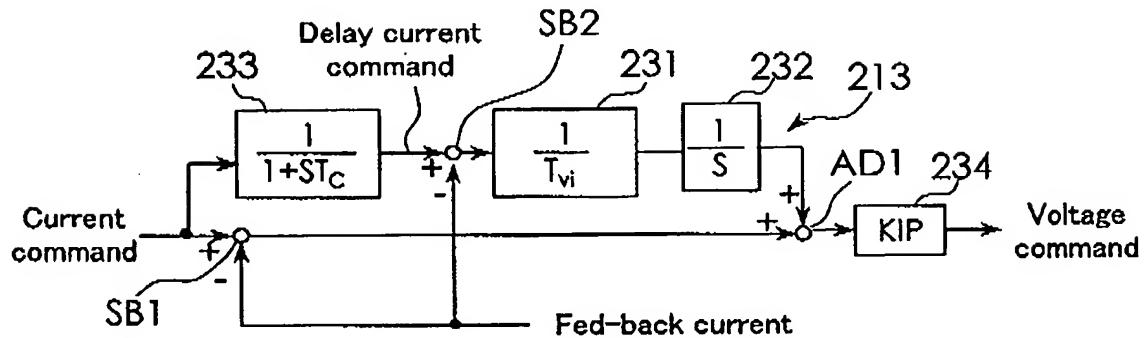


FIG.6

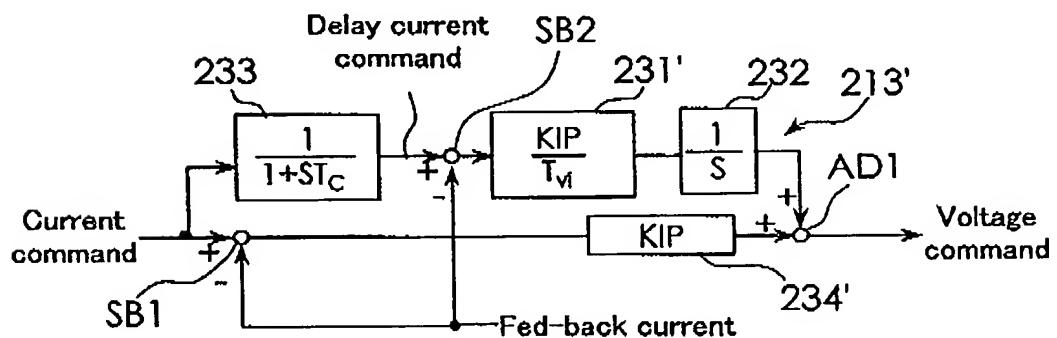
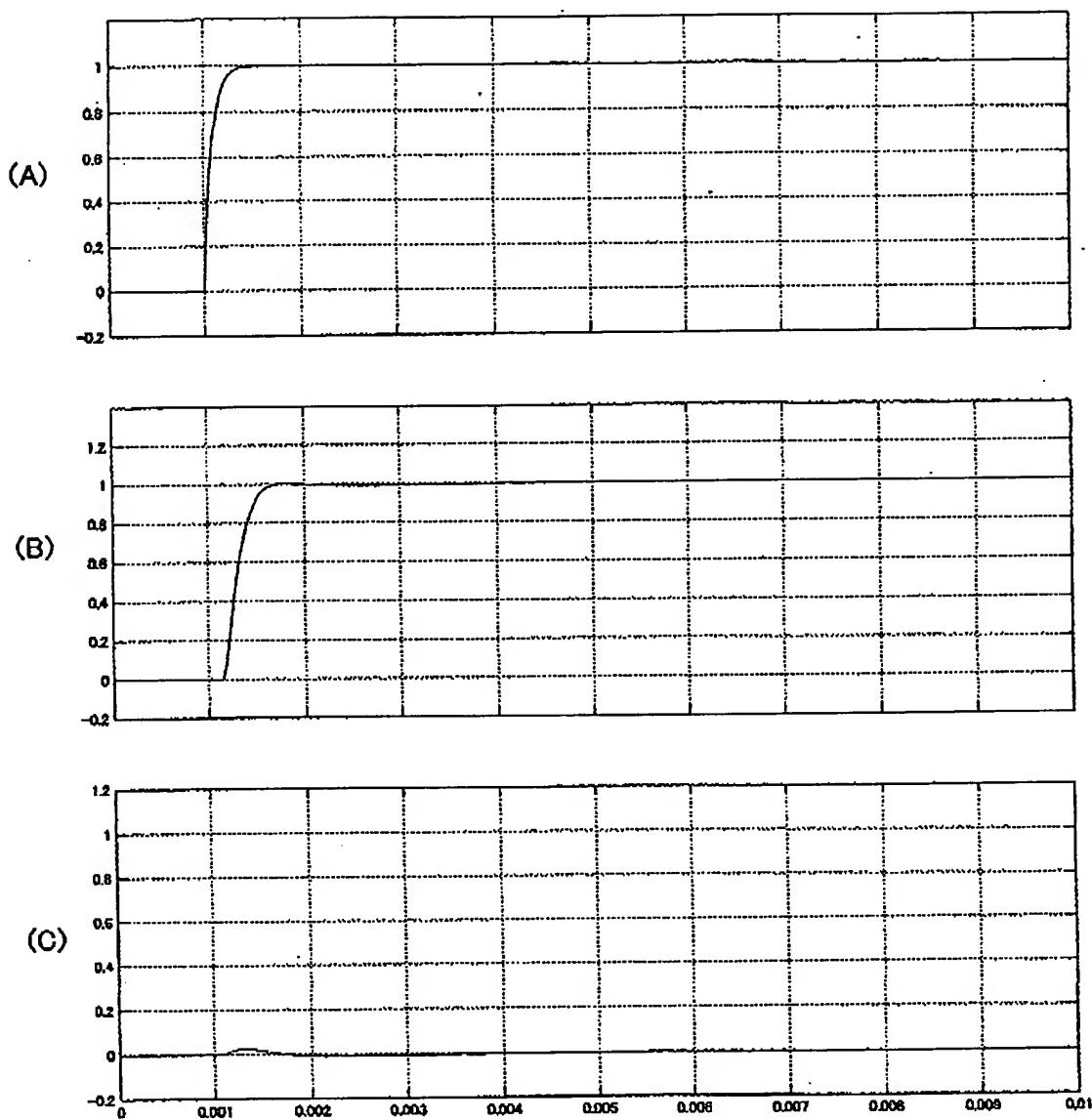
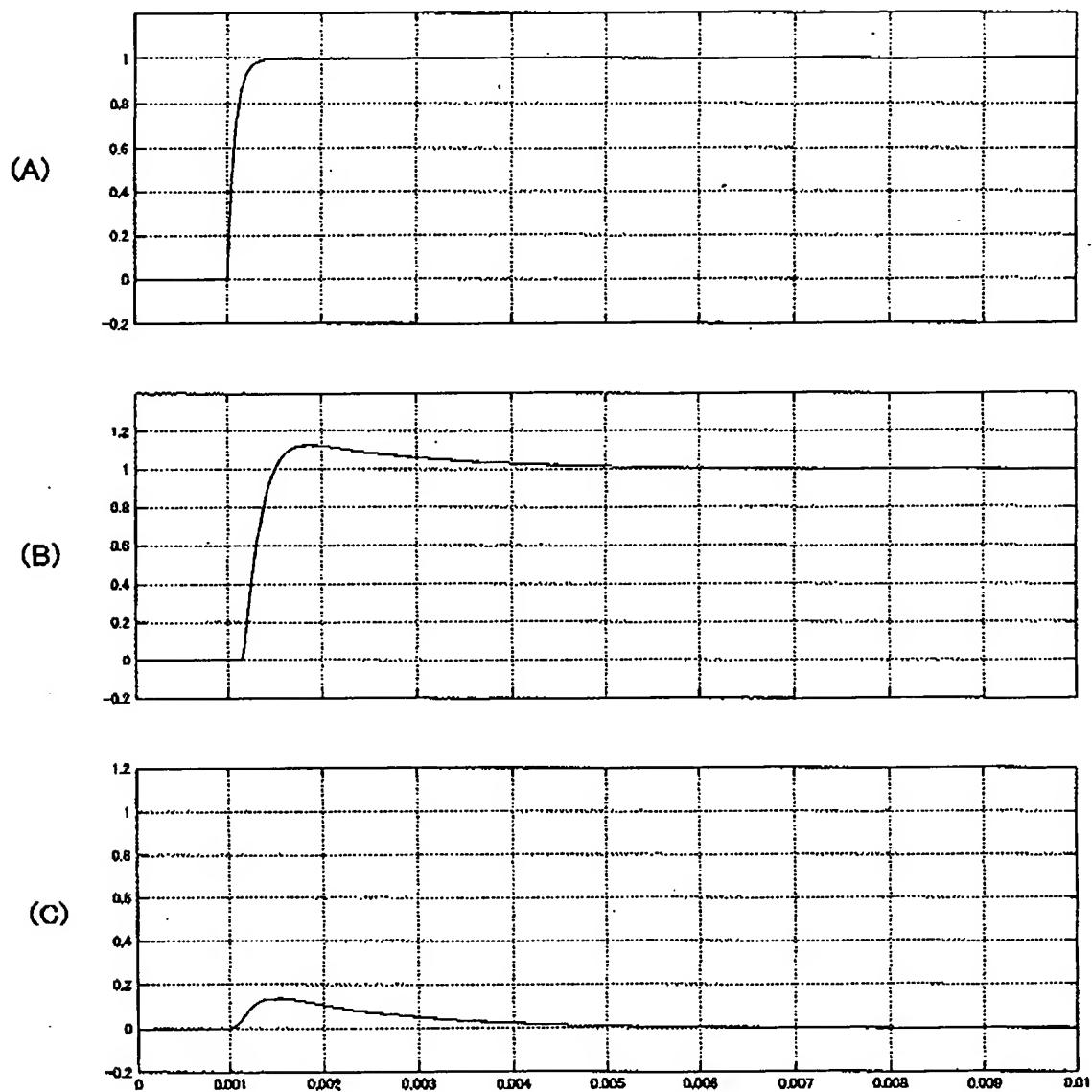


FIG.7



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FIG.8



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Fig.9

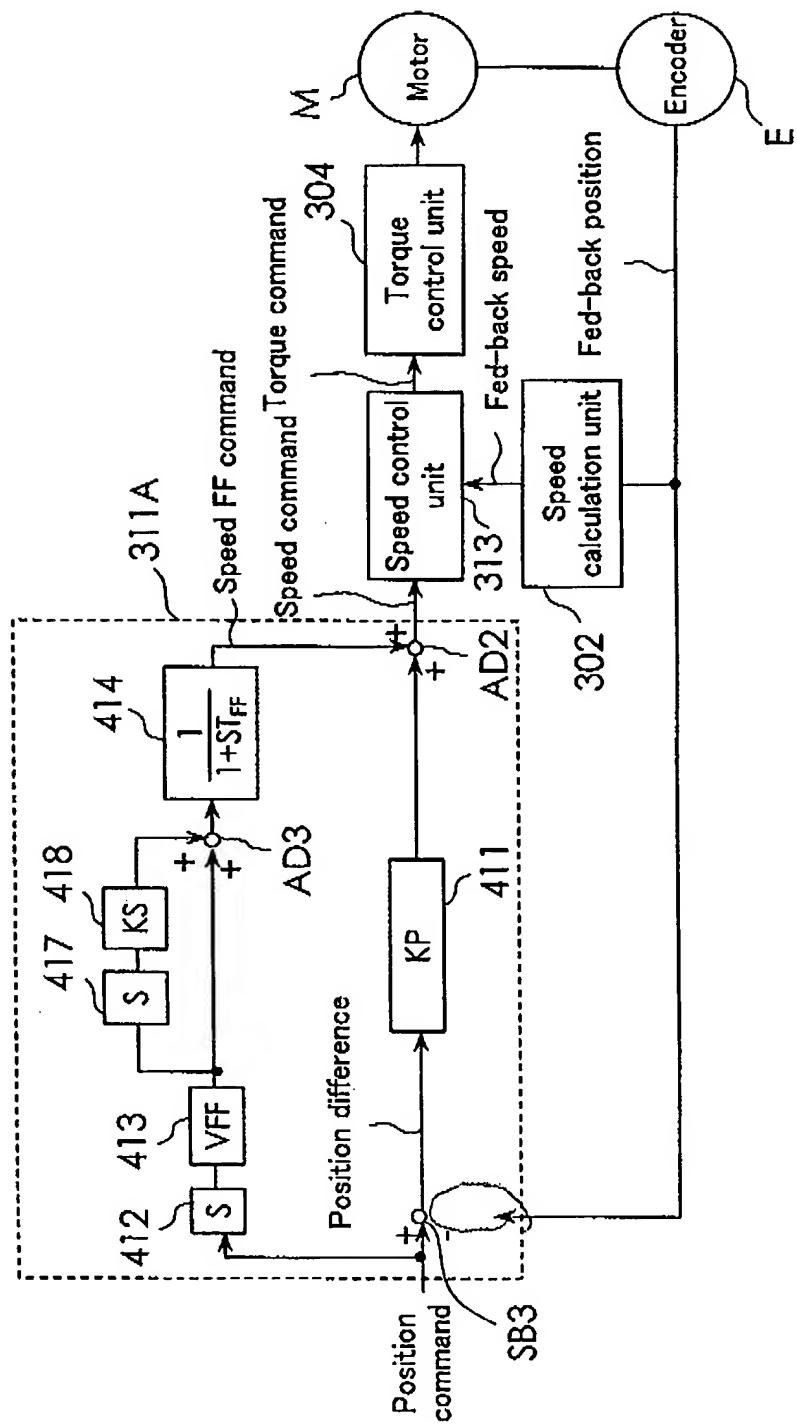


FIG.10

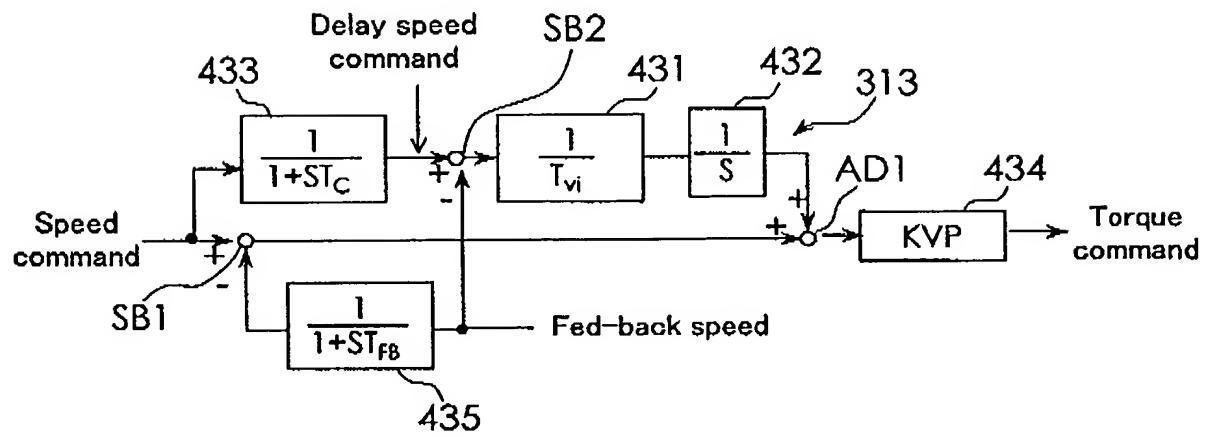


FIG.11

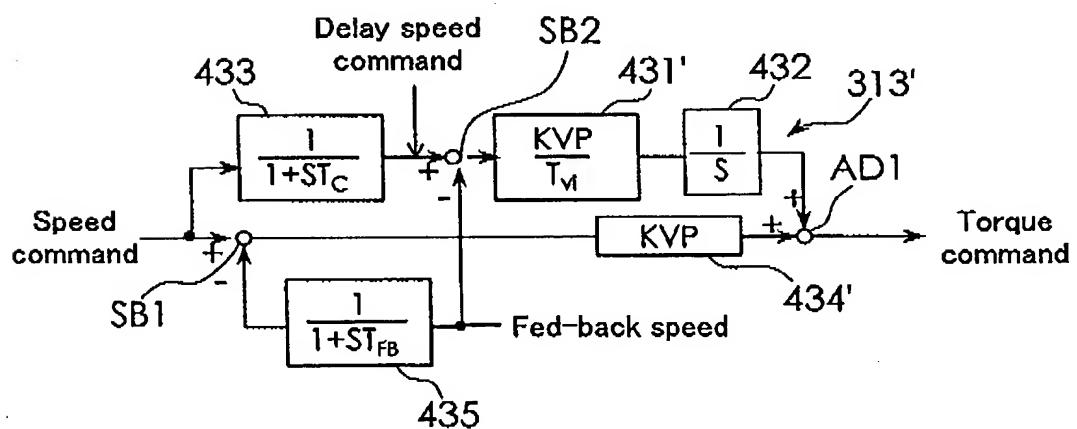


Fig.12

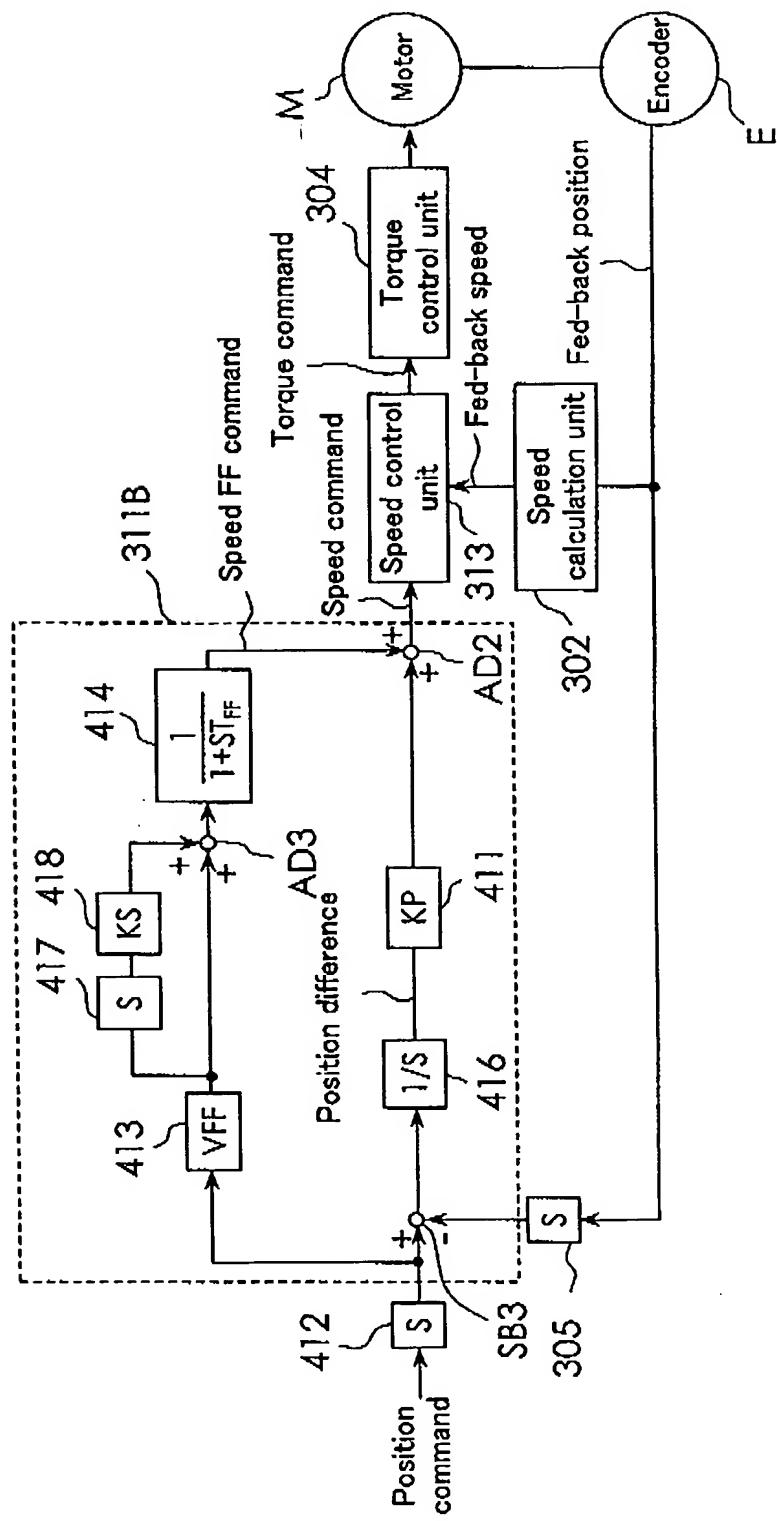


Fig.13

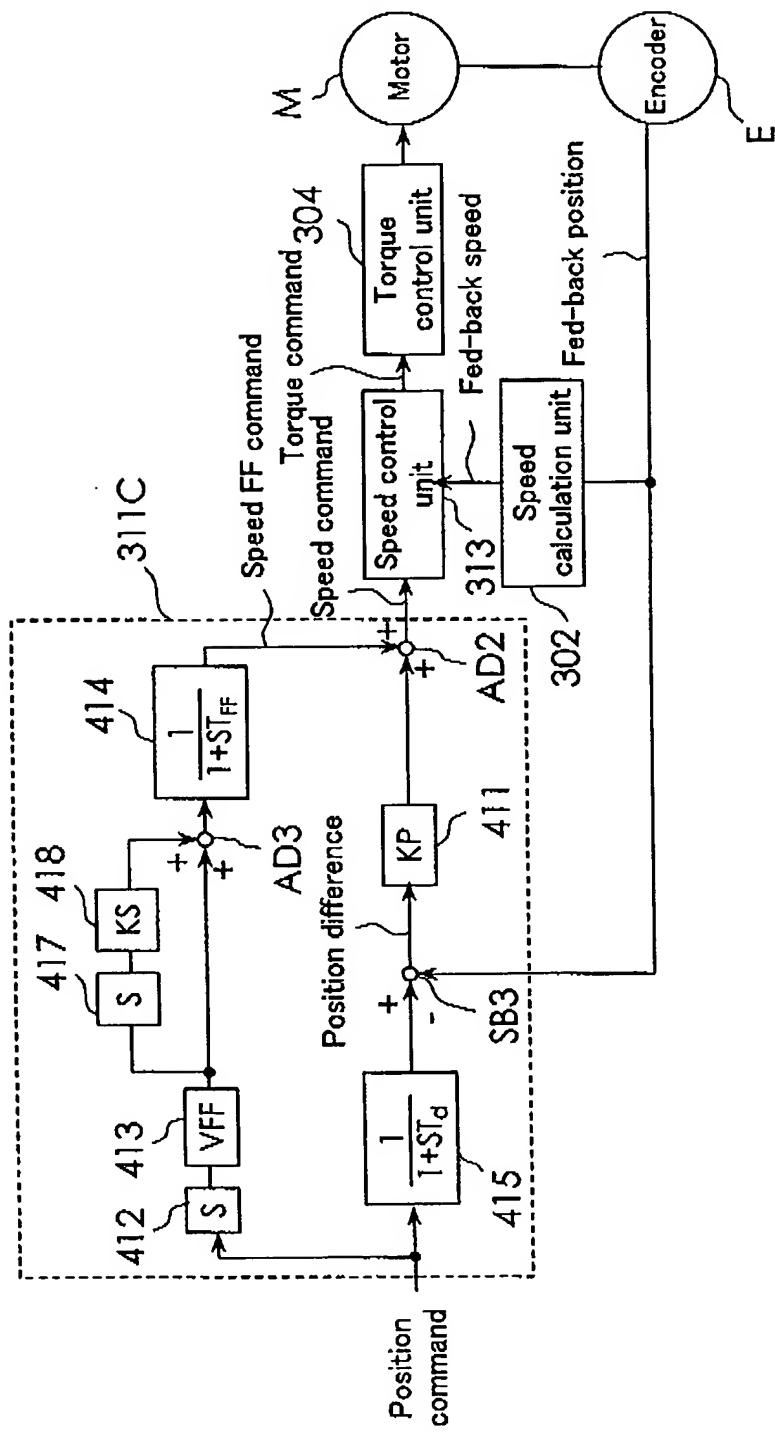


Fig.14

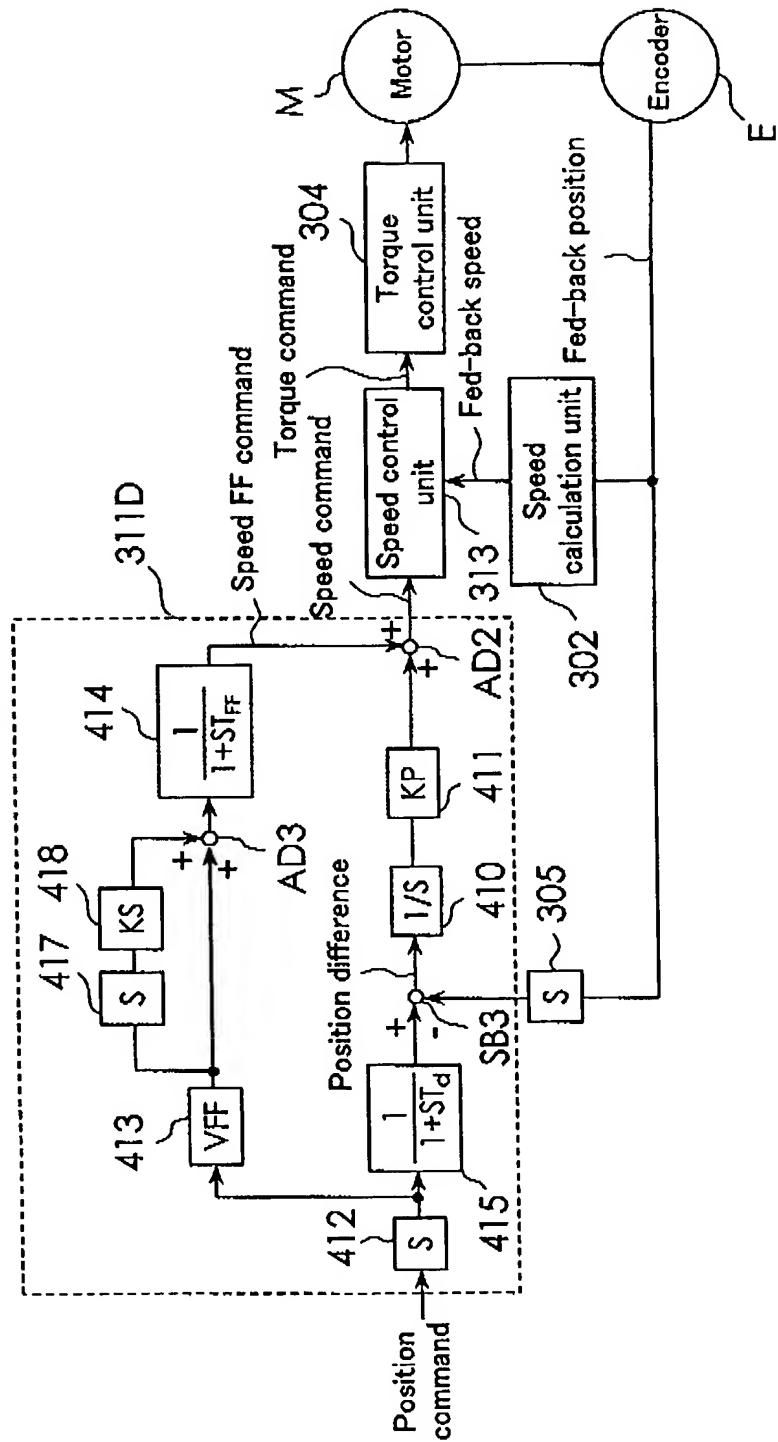


FIG.15

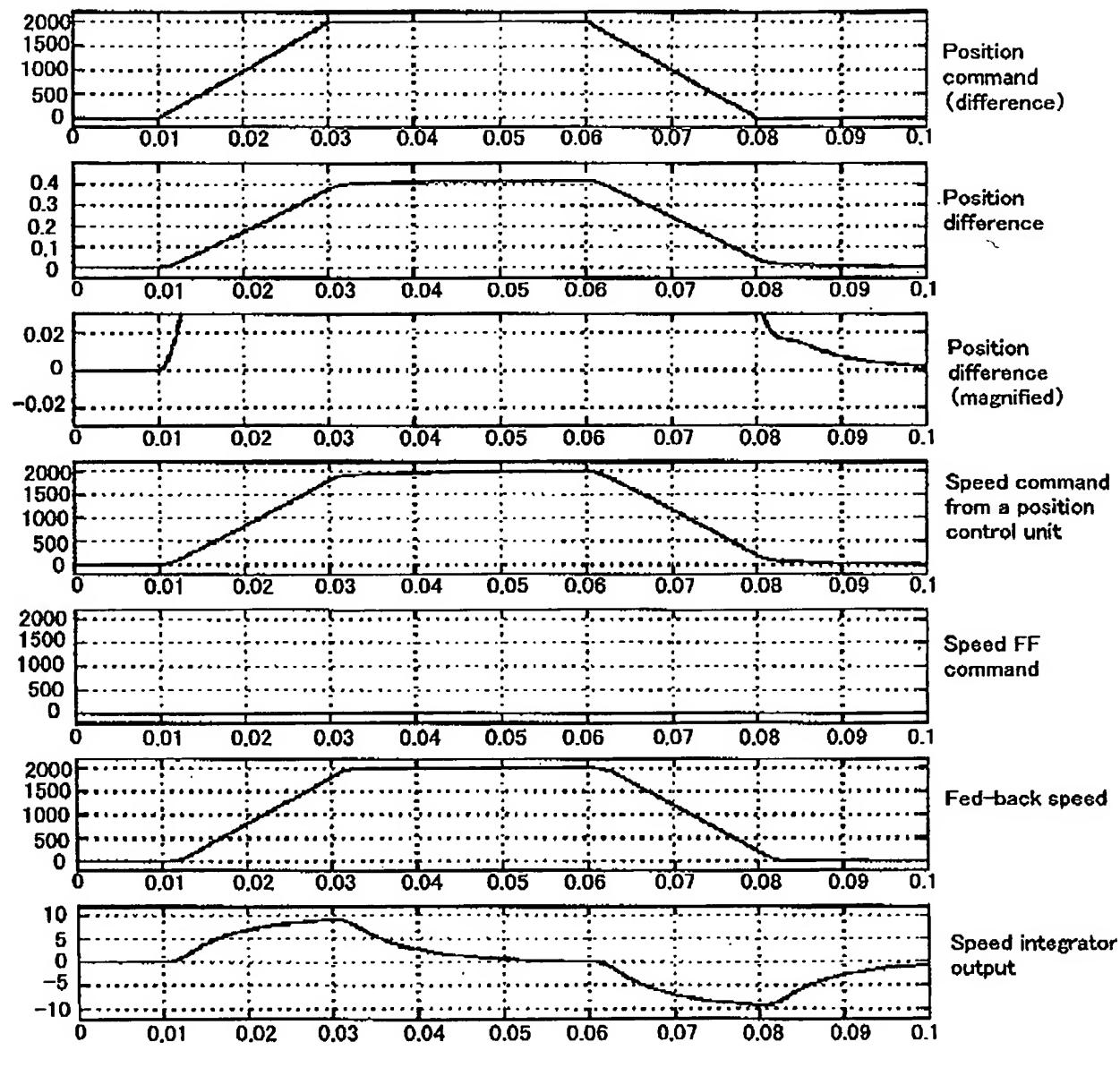


FIG.16

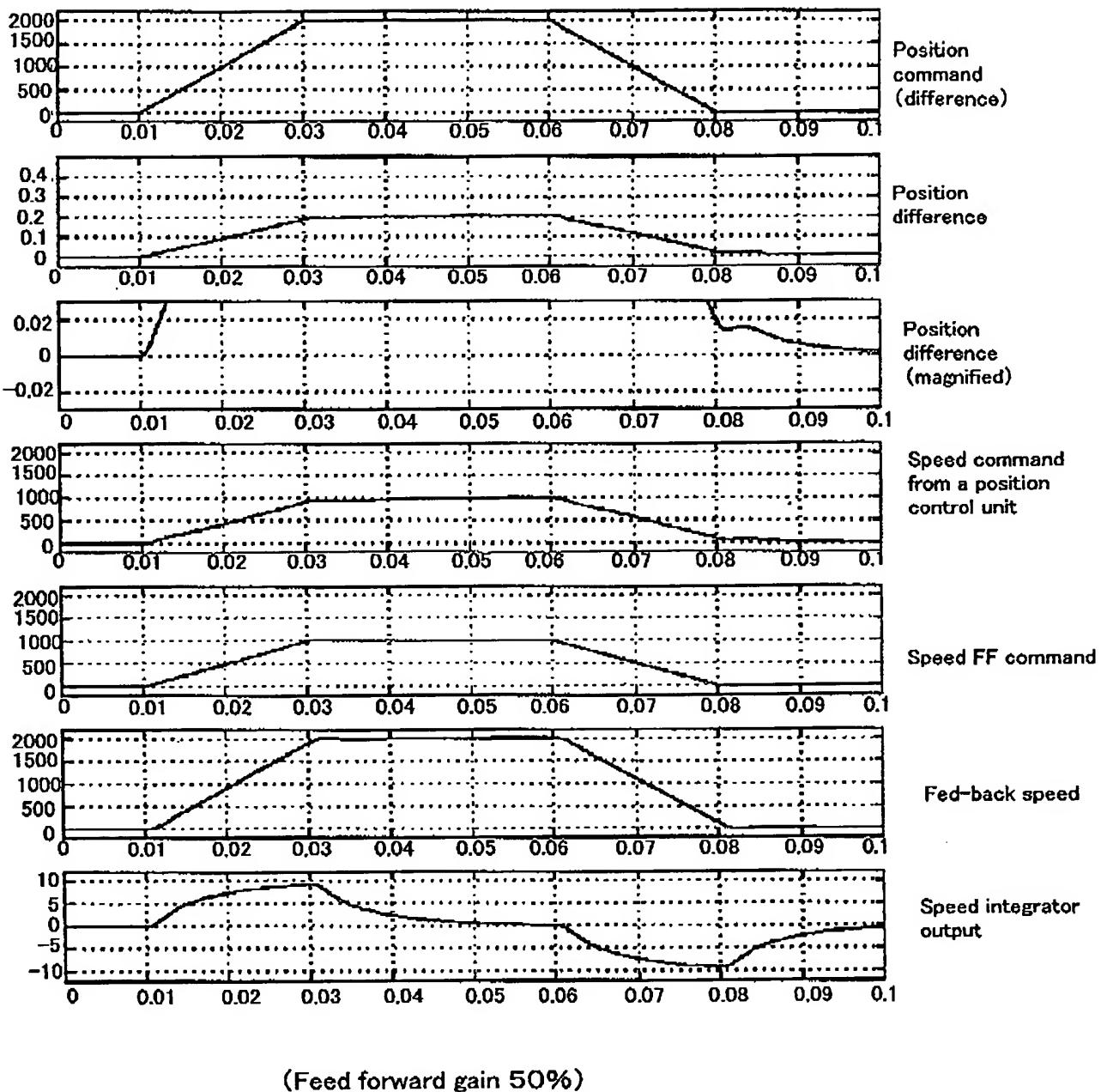


FIG.17

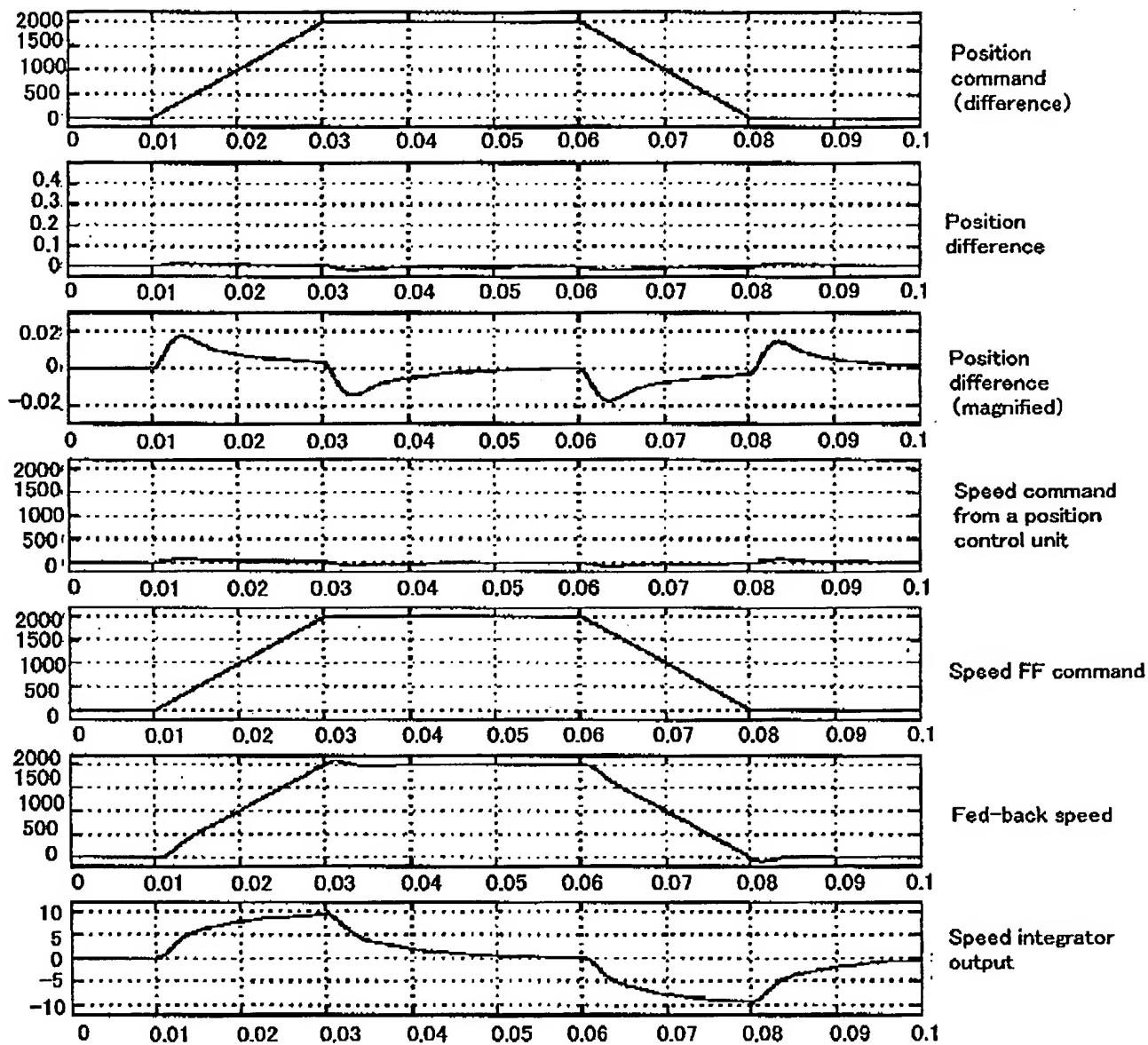
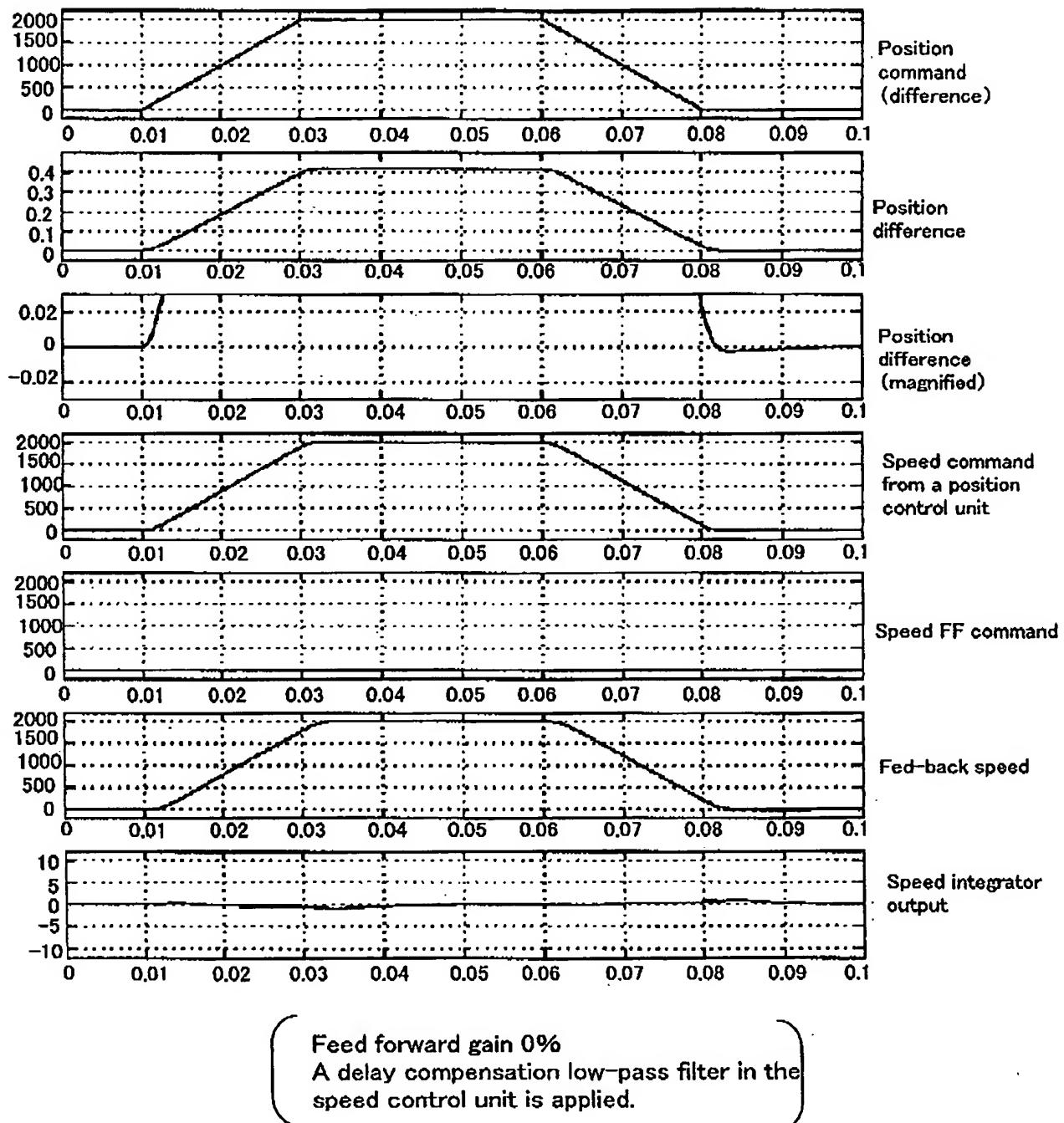
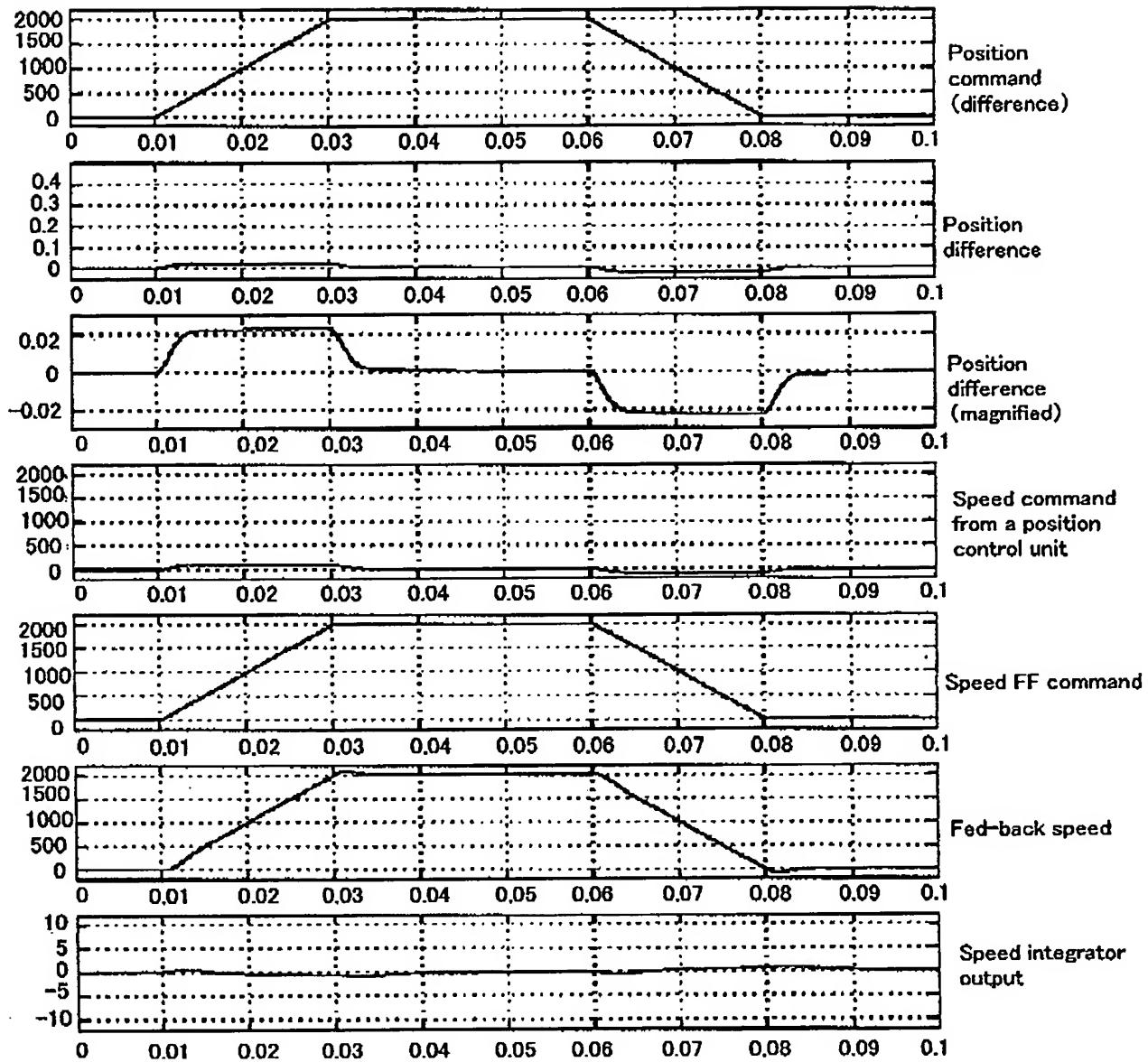


FIG.18



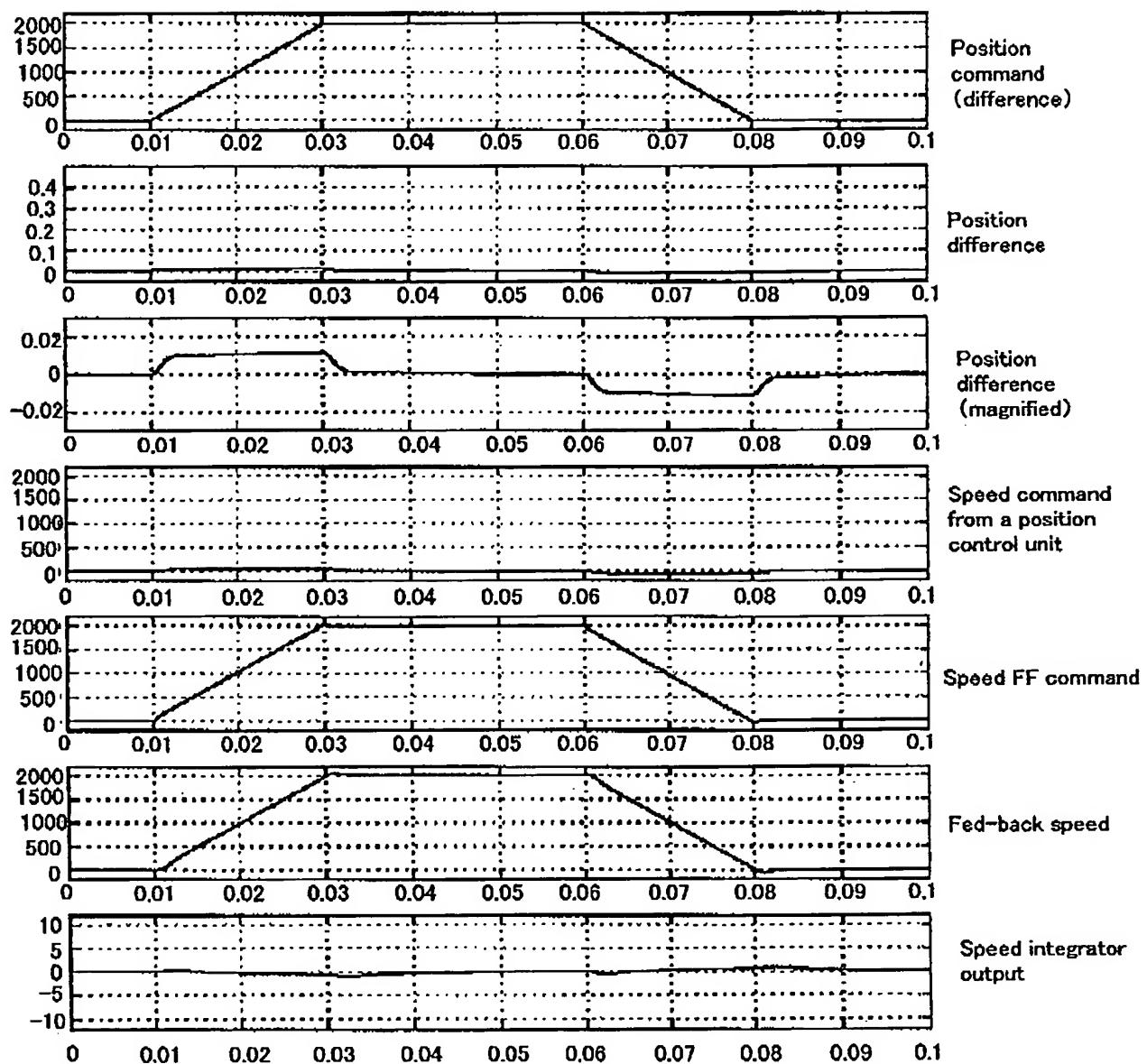
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FIG.19



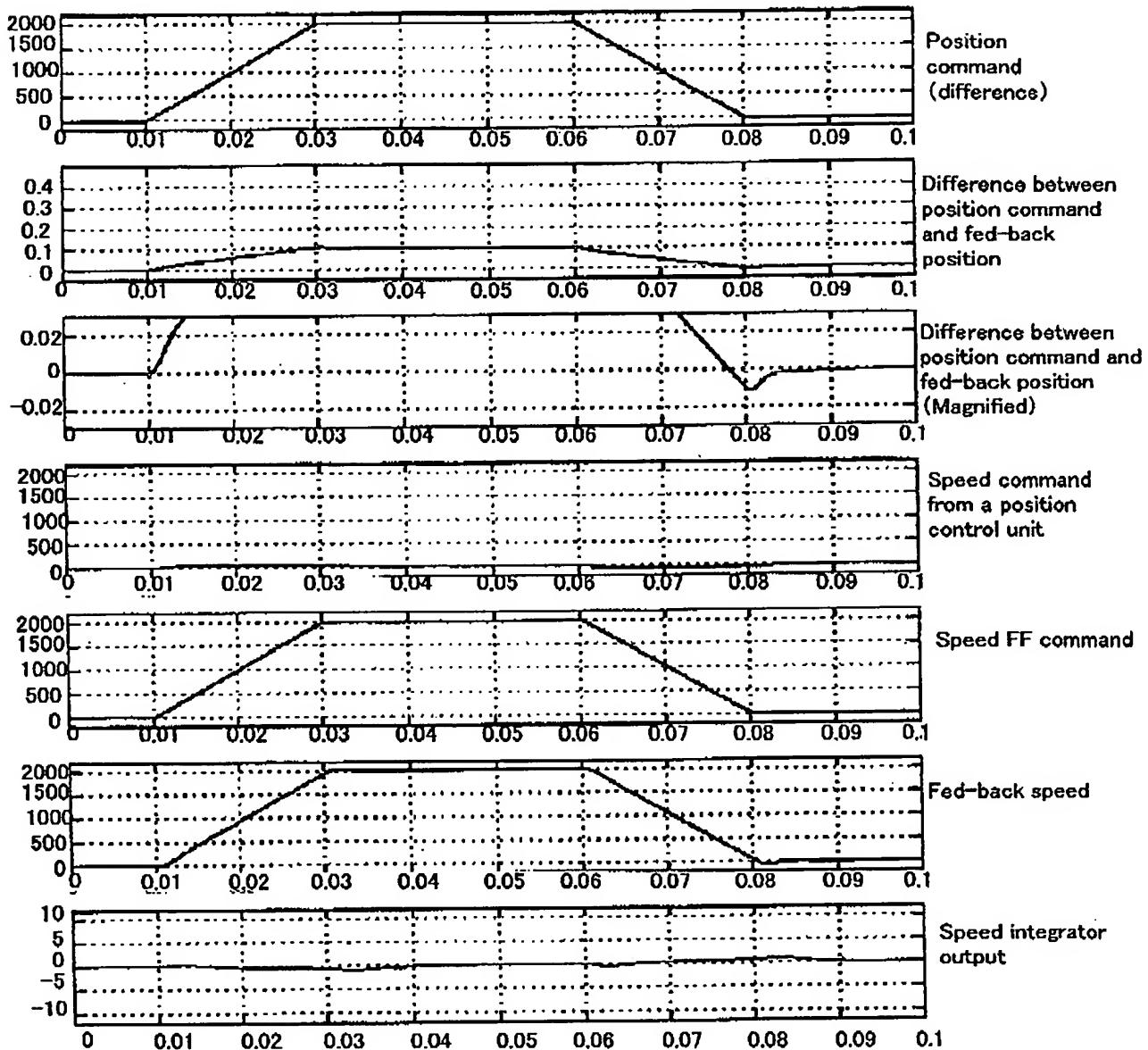
Feed forward gain 100%
A delay compensation low-pass filter in the speed control unit is applied.
Differential gain 0

FIG.20



Feed forward gain 100%
A delay compensation low-pass filter in the speed
control unit is applied.
Differential gain is set.

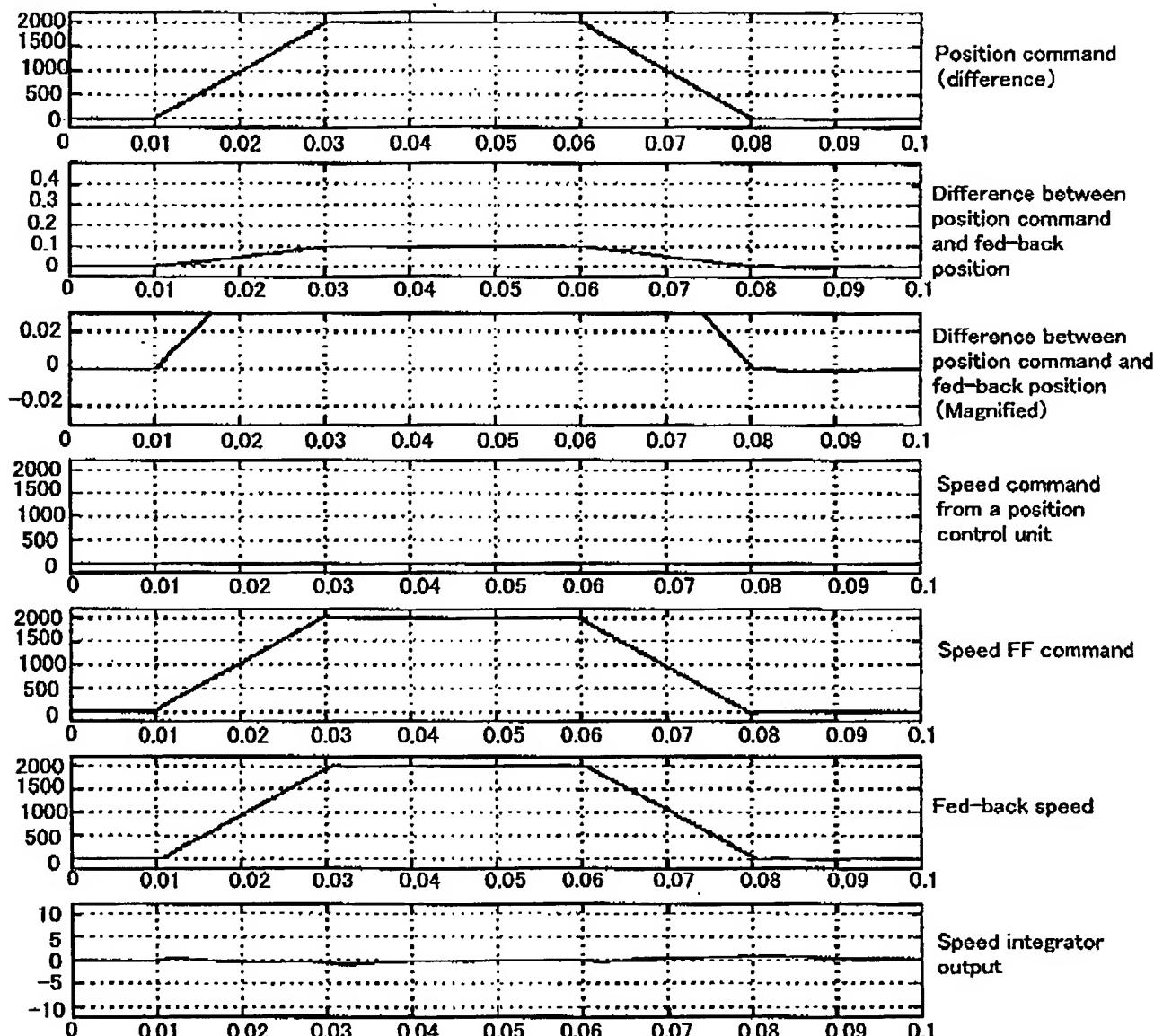
FIG.21



Feed forward gain 100%
 A delay compensation low-pass filter in the speed control unit is applied.
 Differential gain 0
 A delay compensation low-pass filter in position control unit is applied.

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FIG.22



Feed forward gain 100%
 A delay compensation low-pass filter in the speed control unit is applied.
 Differential gain is set.
 A delay compensation low-pass filter in position control unit is applied.

FIG.23

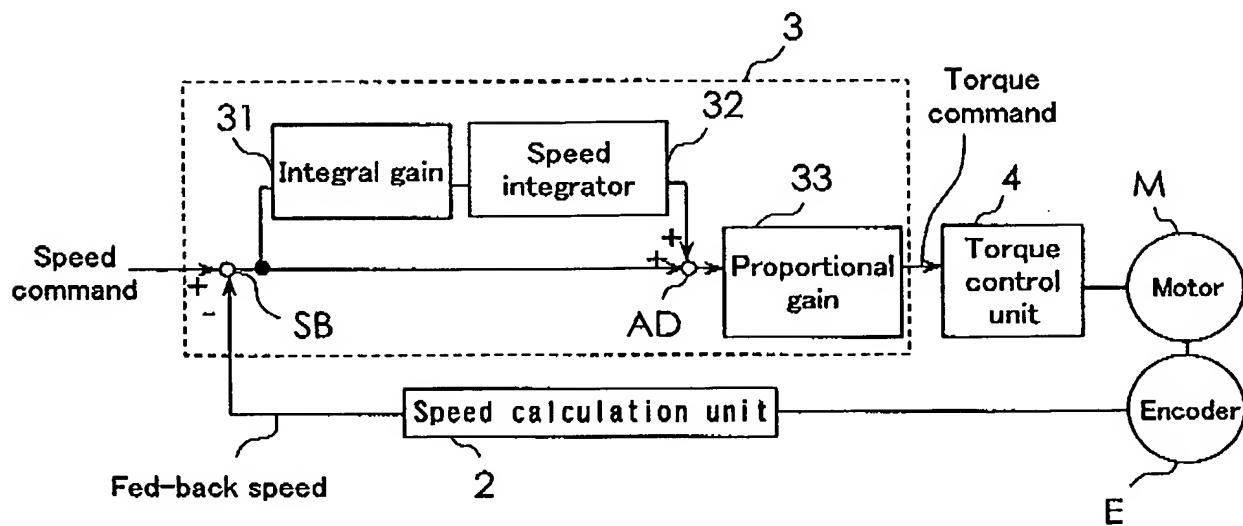


FIG.24

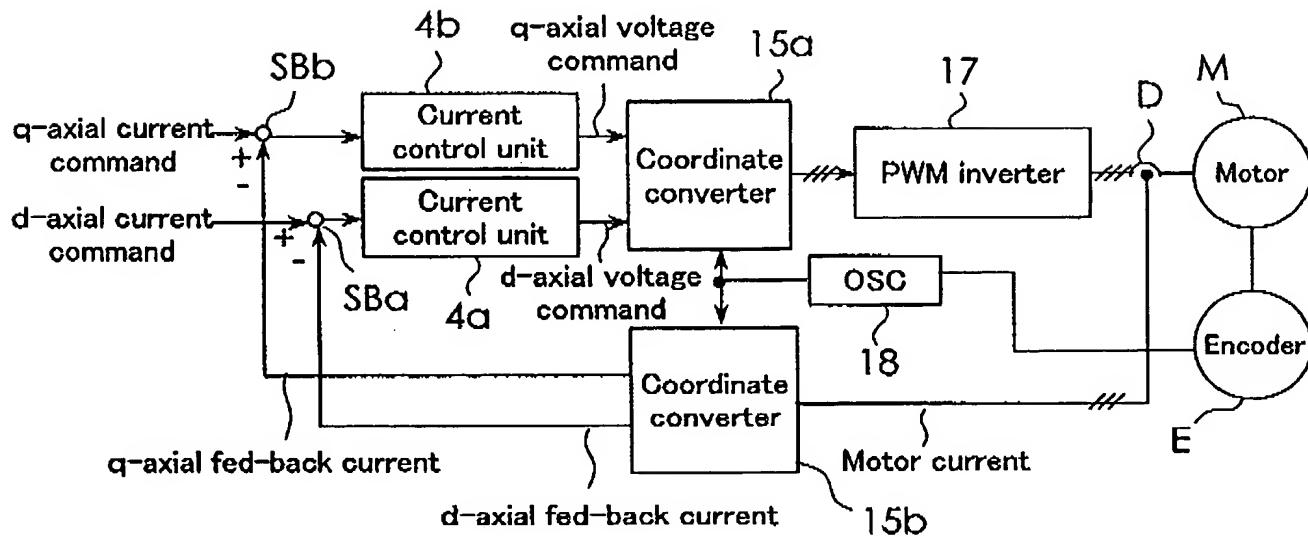


FIG.25

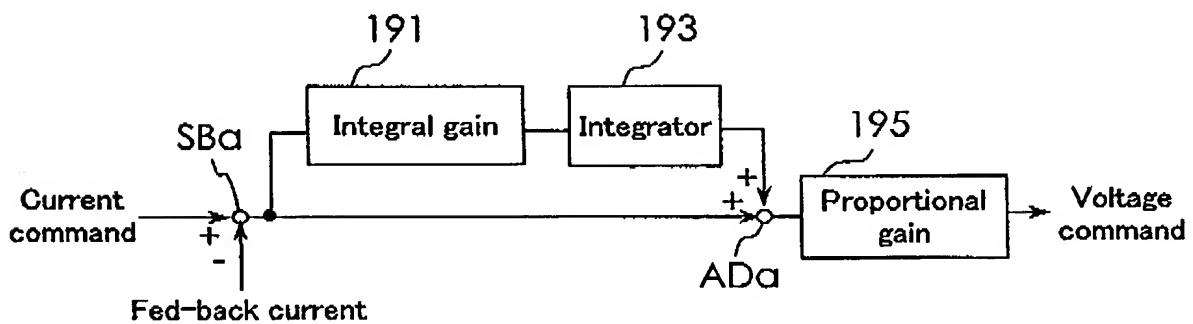


FIG.26

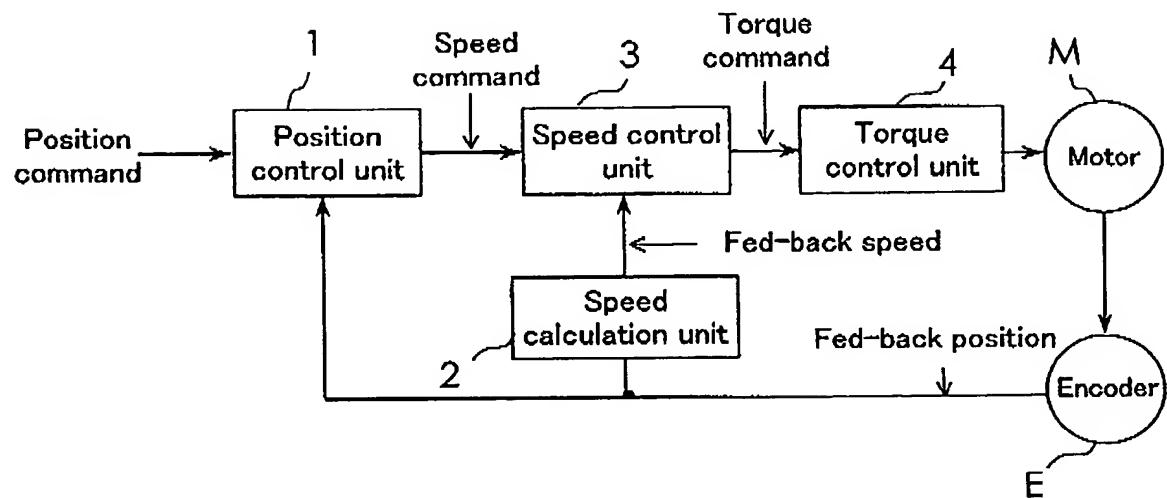


FIG.27

